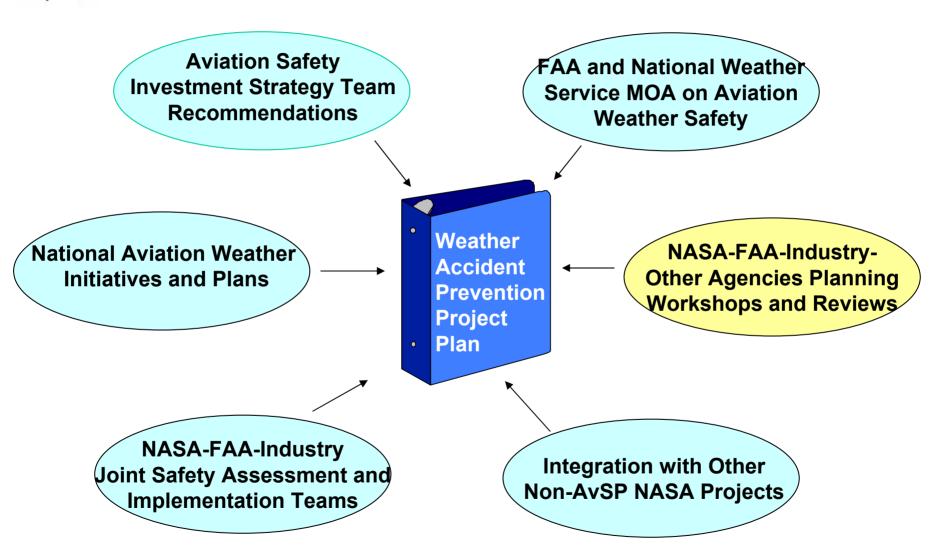
Weather Accident Prevention Annual Project Review

Cleveland, Ohio June 5-7, 2001



- Communicate progress to NASA Stakeholders, Partners, and Customers
- Solicit feedback on NASA's Weather Safety Plans and activities from the aviation community.
 - Q&A session after presentations
 - Discussion sessions following each topical session
 - Panel Discussion during last morning session (June 7)
 - Survey of NASA WxAP plans/products
- Catalyst for future partnerships and collaboration with aviation community
- Enhanced integration of NASA Weather Accident Prevention Project Elements
- Preparation for NASA FY02 detailed planning activities







NASA AvSP Management/Researchers NASA Base Management/Researchers

FAA

NWS

NTSB

Avionics Industry

Airlines

Aircraft Manufacturers

Pilot Associations

Aircraft Associations

Academia

DoD



- Evaluate NASA's weaknesses/strengths
- Evaluate NASA products being developed
 - Technical Issues
 - Coordination Issues
 - Implementation Issues
 - Others
- Identity disclosure is voluntary
- Use postage-paid envelope
- Summary of surveys will be forwarded to all attendees

Survey



- Message Board available at registration table
 - Telephone Messages: 216-447-1300
 - FAX: 216-642-9334
- Coffee and snacks available during breaks
- Lunch available in the pool area Tuesday and Wednesday (\$10 each) Sign-up sheet at registration table
- List of local restaurants is available at registration table
- Presentations are on CD-ROM
- Break-out room available for side meetings Sign-up sheet at registration table

Day 1 Morning Agenda

AVSP

Aviation Safety Program

Weather Accident Prevention

8:00 a.m.	Welcome	Sehra, GRC Rohn, GRC
8:15 a.m.	Meeting Objectives and Logistics	Nadell, GRC
8:30 a.m.	Weather Accident Prevention (WxAP) Project Overview and Status	Nadell, GRC
9:00 a.m.	Development of WxAP System Architecture and Concept of Operation	Grantier, GRC
9:30 a.m.	Aviation Weather Information Overview and Status	Stough, LaRC
10:15 a.m.	Break	
10:30 a.m.	Weather Information Communications Overview and Status	Martzaklis, GRC
11:15 a.m.	Turbulence Detection and Mitigation Overview and Status	Bogue, DFRC Watson, LaRC
12-1 p.m.	Lunch	



Weather Accident Prevention

Cockpit	Weather	Informati	on Systems
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1:00 p.m.	Weather Information Network	Leger, Honeywell
1:15 p.m.	NASA Langley WINN System Operational Assessment	Jonsson, LaRC
1:30 p.m.	United's SKY-PAD TM Project	Burns, UAL
1:45 p.m.	Enhanced Weather Radar and Aviation Weather Awareness & Reporting Programs	Kronfeld, Rockwell
2:15 p.m.	Satellite Weather Information Service	Kerczewski, GRC
2:35 p.m.	Pilot Weather Advisor TM	Hoffler, Vigyan, Inc.
2:55 p.m.	The Results of the Evaluation of Using Lightning Data to Improve Oceanic Convective Forecasting for Aviation	Nierow, FAA
3:00 p.m.	Oceanic Weather Information: Oceanic Convective Convective Nowcasting Demonstration (OCND)	Lindholm, NCAR



Weather Accident Prevention

Cockpit Weather Information Systems (cont.)

3:15 p.m.	Break	
3:30 p.m.	VHF Datalink (Mode 2) for Cockpit Weather for Air Transports	Tanger, LMGT
3:40 p.m.	Preliminary VLD Mode 2 Bench and Flight Test Results	Skidmore, OU
4:00 p.m.	Decision-making In Flight With Different Convective Weather Information Sources: Preliminary Results	Latorella, LaRC Chamberlain, LaRC
4:30 p.m.	GA Cockpit Weather Information System Simulation Studies	McAdaragh, FAA Novacek, RTI
5:00 p.m.	Discussion: Cockpit Weather Systems	
5:30 p.m.	Conclude for the Day	



Cockpit Weather Information Systems (cont.)

8:00 a.m.	General Aviation FIS Broadcast System	Joyce, Honeywell
8:20 a.m.	FIS Architecture Study Plan	Tanger, LMGT Nichols, Johns Hopkins APL
	Airborne Weather Reporting System	
8:45 a.m.	TAMDAR Development Strategy	Schmidt, FAA
8:55 a.m.	TAMDAR Capabilities Development	Daniels, LaRC
9:25 a.m.	TAMDAR Datalink Development	Andro, GRC
9:45 a.m.	Overview of the Business Feasibility of the TAMDAR System	Kauffmann, ODU
10:15 a.m.	Break	
10:30 a.m.	Impact of MDCRS/TAMDAR data on National Weather Service (NWS) Operations	Weiss, NWS



Weather Accident Prevention

10:50 a.m. Discussion: Airborne Weather Reporting System		
	Airborne Turbulence Warning System	
11:25 a.m.	Airborne Turbulence Warning System Development	Bogue, DFRC
11:40 a.m.	Meteorological Case Studies of Turbulence Encounters	Ferris, MIT Lincoln Labs.
12-1 p.m.	Lunch	
1:00 p.m.	Weather Associated With the Fall 2000 Turbulence Flight Tests	Hamilton, LaRC
1:20 p.m.	Numerical Simulation of Event 191-6 of NASA's Flight Tests	Proctor, LaRC
1:40 p.m.	Unbalanced Supergradient Flow – It's Role In Organizing Severe Turbulence In Both Convective and Clear Air Case Studies	Kaplan, NCSU
2:00 p.m.	Simulations of Continuous and Discrete Turbulence Events	Sharman, NCAR



Airborne Turbulence Warning System (cont.)

2:20 p.m.	Development and Flight Test of In Situ Turbulence Algorithms	Robinson, AeroTech
2:45 p.m.	Turbulence LIDAR Development Status	Clark, LaRC
3:00 p.m.	Break	
3:15 p.m.	Flight Test Results for a Turbulence Detection Radar	Schaffner, LaRC
4:00 p.m.	Market Assessment of Forward-Looking Turbulence Sensing Systems	Kauffmann, ODU
4:30 p.m.	Turbulence Secure Cabin Exercise	Bogue, DFRC
5:00 p.m.	Discussion: Airborne Turbulence Warning System	
5:30 p.m.	Conclude for the Day	



Weather Accident Prevention

Airborne Turbulence Warning System (cont.)

8:00 a.m.	Feasibility Study of Transport-Aircraft Control Systems for Turbulence Effects Mitigation	Borland, Boeing CAG
8:20 a.m.	Turbulence JSAT/JSIT Status	Bogue, DFRC
	Implementation, Operation, and Technology Develop	oment
8:40 a.m.	NASA-FAA-NOAA Partnering Strategy	Colantonio, GRC
9:00 a.m.	Flight Information Services Data Link (FISDL)	Moosakhanian, FAA
9:20 a.m.	Airline Implementation of Cockpit Weather Systems	Sambrano, UAL
9:40 a.m.	Break	
10:00 a.m.	Panel Session: Cockpit Weather Information Systems Future Challenges for Implementation, Operation, and Development	
11:45 a.m.	Annual Review Wrap-up	

Annual Review Concluded

12:00 noon